

RAW SEQUENCE LISTING

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Application Serial Number: 09/978,318D
Source: 1Fw/6
Date Processed by STIC: 9/29/05

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IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/978,318D

DATE: 09/29/2005
TIME: 09:37:44

Input Set : D:\UTSC671US.txt
Output Set: N:\CRF4\09292005\I978318D.raw

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3 <110> APPLICANT: ALDAZ, MARCELO C.
4     BEDNAREK, ANDRZEJ
6 <120> TITLE OF INVENTION: WWOX: A PUTATIVE TUMOR SUPPRESSOR GENE MUTATED IN
7     MULTIPLE CANCERS
9 <130> FILE REFERENCE: UTSC:671US
11 <140> CURRENT APPLICATION NUMBER: 09/978,318D
12 <141> CURRENT FILING DATE: 2001-10-15
14 <150> PRIOR APPLICATION NUMBER: 60/240,277
15 <151> PRIOR FILING DATE: 2000-10-13
17 <160> NUMBER OF SEQ ID NOS: 70
19 <170> SOFTWARE: PatentIn Ver. 2.1
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23 <211> LENGTH: 2264
24 <212> TYPE: DNA
25 <213> ORGANISM: Human
27 <400> SEQUENCE: 1
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30 cagccatggc agcgctgcgc tacgcggggc tggacacac gcacagttag gacgagctgc 180
31 ctccgggctg ggaggaaaga accaccaagg acggctgggt ttactacgcc aatcacaccg 240
32 aggagaagac tcagtggaa catccaaaaa ctggaaaaag aaaacgagtgc gagagatt 300
33 tgccatacgg atggaaacaa gaaactgtat agaacggaca agtgtttttt gttgaccata 360
34 taaaataaaag aaccacccat ttggacccaa gactggcggt tactgtggat gataatccga 420
35 ccaagccaaac caccggcaa agatacgacg gcagcaccac tgccatggaa attctccagg 480
36 gccgggattt cactggaaa gtggttgtgg tcactggagc taattcagga atagggttcg 540
37 aaaccgccaa gtctttgcc ctccatgggt cacatgtat cttggcctgc aggaacatgg 600
38 caaggcgag tgaagcagtgc tcaacgcatt tagaagaatg gcataaaagcc aaggtagaag 660
39 caatgaccct ggacctcgct ctgctccgtg gcgtgcagca ttttgctgaa gcattcaagg 720
40 ccaagaatgt gcctctcat gtgttgtgt gcaacgcgcg aactttgtctt ctaaccctgg 780
41 gtcacccaa agatggcctg gagaccacct ttcaagtgaa tcatctgggg cacttctacc 840
42 ttgtccagct cctccaggat gtttgtgcc gtcagctcc tgcccggtgc attgtggct 900
43 cctcagagtc ccatcgattt acagatatta acgactcctt gggaaaactg gacttcagtc 960
44 gcctctctcc aacaaaaaac gactattggg cgatgtggc ttataacagg tccaagctct 1020
45 gcaacatcct cttctccaaac gagctgcacc gtcgcctctc cccacgcggg gtcacgtcga 1080
46 acggcgtca tcctggaaat atgatgtact ccaacattca tcgcagctgg tgggtgtaca 1140
47 cactgctgtt tacctggcg aggccttca ccaagtcgtt gcaacaggaa gtcgtccacca 1200
48 ccgtgtactg tgctgtgtc ccagaactgg agggctctggg agggatgtac ttcaacaact 1260
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51 gagcggatgg gcacacacac ccgcctgtg tgggtccccct caccgaagtgc ccagggctgg 1440
52 gccccttcca aatgtccctc caacacagat ccgcaagagt aaaggaaata agagcagtca 1500
53 caacagagtgc aaaaatctt agtaccaatg ggaagcaggg aattcctggg gtaaagtatc 1560
54 actttctgg ggctggctt ggcataagtc ttgggtggg cctgtttgaa 1620

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55 agtaaaaacc tgcttggtgt gtaggttccg tatctccctg gagaagcacc agcaattctc 1680
 56 tttctttac tgttatagaa tagcctgagg tcccctcgct ccatccagt accaccacgg 1740
 57 ccaccactgc agccggggc tgccttcctc ctacttaggg aaaaaaaagc aagtgtcac 1800
 58 tgctccttgc tgcattgatc caggagataa ttgtttcatt catcctgacc aagactgagc 1860
 59 cagcttagca actgctgggg agacaaatct cagaaccttg tcccagccag tgaggatgac 1920
 60 agtgacaccc agagggagta gaatacgcag aactaccagg tggcaaagta cttgtcatag 1980
 61 actcctttgc taatgtatc caaaaaattt tttagagatt ataacaaatt tttcaaata 2040
 62 ttccttagat accttgaag gcaggaaggg aagcgatat acttaagaat acacaggata 2100
 63 tttgggggg cagagaataa aacgttagtt aatcccttg tctgtcaatc acagtctcag 2160
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 69 <211> LENGTH: 414
 70 <212> TYPE: PRT
 71 <213> ORGANISM: Human
 73 <400> SEQUENCE: 2
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 75 1 5 10 15
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 78 20 25 30
 80 Tyr Tyr Ala Asn His Thr Glu Glu Lys Thr Gln Trp Glu His Pro Lys
 81 35 40 45
 83 Thr Gly Lys Arg Lys Arg Val Ala Gly Asp Leu Pro Tyr Gly Trp Glu
 84 50 55 60
 86 Gln Glu Thr Asp Glu Asn Gly Gln Val Phe Phe Val Asp His Ile Asn
 87 65 70 75 80
 89 Lys Arg Thr Thr Tyr Leu Asp Pro Arg Leu Ala Phe Thr Val Asp Asp
 90 85 90 95
 92 Asn Pro Thr Lys Pro Thr Thr Arg Gln Arg Tyr Asp Gly Ser Thr Thr
 93 100 105 110
 95 Ala Met Glu Ile Leu Gln Gly Arg Asp Phe Thr Gly Lys Val Val Val
 96 115 120 125
 98 Val Thr Gly Ala Asn Ser Gly Ile Gly Phe Glu Thr Ala Lys Ser Phe
 99 130 135 140
 101 Ala Leu His Gly Ala His Val Ile Leu Ala Cys Arg Asn Met Ala Arg
 102 145 150 155 160
 104 Ala Ser Glu Ala Val Ser Arg Ile Leu Glu Glu Trp His Lys Ala Lys
 105 165 170 175
 107 Val Glu Ala Met Thr Leu Asp Leu Ala Leu Leu Arg Ser Val Gln His
 108 180 185 190
 110 Phe Ala Glu Ala Phe Lys Ala Lys Asn Val Pro Leu His Val Leu Val
 111 195 200 205
 113 Cys Asn Ala Ala Thr Phe Ala Leu Pro Trp Ser Leu Thr Lys Asp Gly
 114 210 215 220
 116 Leu Glu Thr Thr Phe Gln Val Asn His Leu Gly His Phe Tyr Leu Val
 117 225 230 235 240
 119 Gln Leu Leu Gln Asp Val Leu Cys Arg Ser Ala Pro Ala Arg Val Ile
 120 245 250 255
 122 Val Val Ser Ser Glu Ser His Arg Phe Thr Asp Ile Asn Asp Ser Leu

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Input Set : D:\UTSC671US.txt

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123	260	265	270
125	Gly Lys Leu Asp Phe Ser Arg Leu Ser Pro Thr Lys Asn Asp Tyr Trp		
126	275	280	285
128	Ala Met Leu Ala Tyr Asn Arg Ser Lys Leu Cys Asn Ile Leu Phe Ser		
129	290	295	300
131	Asn Glu Leu His Arg Arg Leu Ser Pro Arg Gly Val Thr Ser Asn Ala		
132	305	310	315
134	Val His Pro Gly Asn Met Met Tyr Ser Asn Ile His Arg Ser Trp Trp		
135	325	330	335
137	Val Tyr Thr Leu Leu Phe Thr Leu Ala Arg Pro Phe Thr Lys Ser Met		
138	340	345	350
140	Gln Gln Gly Ala Ala Thr Thr Val Tyr Cys Ala Ala Val Pro Glu Leu		
141	355	360	365
143	Glu Gly Leu Gly Gly Met Tyr Phe Asn Asn Cys Cys Arg Cys Met Pro		
144	370	375	380
146	Ser Pro Glu Ala Gln Ser Glu Glu Thr Ala Arg Thr Leu Trp Ala Leu		
147	385	390	395
149	Ser Glu Arg Leu Ile Gln Glu Arg Leu Gly Ser Gln Ser Gly		
150	405	410	
152	<210> SEQ ID NO: 3		
153	<211> LENGTH: 26		
154	<212> TYPE: DNA		
155	<213> ORGANISM: Homo sapiens		
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163	<212> TYPE: DNA		
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167	acgggtggtgg cagctccctg ttgcgtatgg		29
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171	<211> LENGTH: 33		
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173	<213> ORGANISM: Homo sapiens		
175	<400> SEQUENCE: 5		
176	acgggtggtgg cagctccctg ttgacattct tgg		33
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180	<211> LENGTH: 32		
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182	<213> ORGANISM: Homo sapiens		
184	<400> SEQUENCE: 6		
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188	<210> SEQ ID NO: 7		
189	<211> LENGTH: 30		
190	<212> TYPE: DNA		
191	<213> ORGANISM: Homo sapiens		
193	<400> SEQUENCE: 7		
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Input Set : D:\UTSC671US.txt
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197 <210> SEQ ID NO: 8
198 <211> LENGTH: 33
199 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
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207 <211> LENGTH: 27
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
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216 <211> LENGTH: 19
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
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224 <210> SEQ ID NO: 11
225 <211> LENGTH: 21
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 11
230 agctccctgt tgcatggact t 21
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234 <211> LENGTH: 22
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236 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 12
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243 <211> LENGTH: 22
244 <212> TYPE: DNA
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247 <400> SEQUENCE: 13
248 tctgctcccc acctctaagt tg 22
251 <210> SEQ ID NO: 14
252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 14
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260 <210> SEQ ID NO: 15
261 <211> LENGTH: 22
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 15
266 cagccctggc acttgcgtga gg 22
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Input Set : D:\UTSC671US.txt

Output Set: N:\CRF4\09292005\I978318D.raw

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 271 <212> TYPE: DNA
 272 <213> ORGANISM: Homo sapiens
 274 <400> SEQUENCE: 16
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 278 <210> SEQ ID NO: 17
 279 <211> LENGTH: 23
 280 <212> TYPE: DNA
 281 <213> ORGANISM: Homo sapiens
 283 <400> SEQUENCE: 17
 284 gagttcctga gcgagtgac ccg 23
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 288 <211> LENGTH: 30
 289 <212> TYPE: DNA
 290 <213> ORGANISM: Homo sapiens
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 297 <211> LENGTH: 22
 298 <212> TYPE: DNA
 299 <213> ORGANISM: Homo sapiens
 301 <400> SEQUENCE: 19
 302 aataactacat cctaaacaac aa 22
 305 <210> SEQ ID NO: 20
 306 <211> LENGTH: 30
 307 <212> TYPE: DNA
 308 <213> ORGANISM: Homo sapiens
 310 <400> SEQUENCE: 20
 311 agtttttatt attatgagtt ttattaaat 30
 314 <210> SEQ ID NO: 21
 315 <211> LENGTH: 20
 316 <212> TYPE: DNA
 317 <213> ORGANISM: Homo sapiens
 319 <220> FEATURE:
 320 <221> NAME/KEY: modified_base/
 321 <222> LOCATION: (3)..(5)
 322 <223> OTHER INFORMATION: R = A OR G
 324 <400> SEQUENCE: 21
 325 cccrcrcaata ctacatccta 20
 328 <210> SEQ ID NO: 22
 329 <211> LENGTH: 20
 330 <212> TYPE: DNA
 331 <213> ORGANISM: Homo sapiens
 333 <220> FEATURE:
 334 <221> NAME/KEY: modified_base /
 335 <222> LOCATION: (11)
 336 <223> OTHER INFORMATION: Y = C OR T/U
 338 <400> SEQUENCE: 22
 339 gggatgaggt ygtttgttt 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/978,318D

DATE: 09/29/2005

TIME: 09:37:45

Input Set : D:\UTSC671US.txt

Output Set: N:\CRF4\09292005\I978318D.raw

L:678 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:32